



# SOLAR SYSTEM

## THE RELATIVE SIZES OF SOLAR SYSTEM OBJECTS

The illustration below shows the relative sizes of the Sun and the Planets.  
Use the scale to estimate the diameters of each of the planets.

Colour in each of the planets to best depict the way they look.

100,000kms

● Mercury - grey

 Venus - white, brown clouds

 Earth - blue, white clouds

Jupiter - white, brown & yellow clouds, great red spot

 Mars - reddish brown

 Saturn - pale yellow, yellow & dark rings

 Sun - yellow, some dark spots

### Planet      Diameter (kms)

Mercury \_\_\_\_\_

Venus \_\_\_\_\_

Earth \_\_\_\_\_

Mars \_\_\_\_\_

Jupiter \_\_\_\_\_

Saturn \_\_\_\_\_

Uranus \_\_\_\_\_

Neptune \_\_\_\_\_

Pluto \_\_\_\_\_

 Uranus - green clouds, dark rings

 Neptune - blue, white clouds

 Pluto - grey

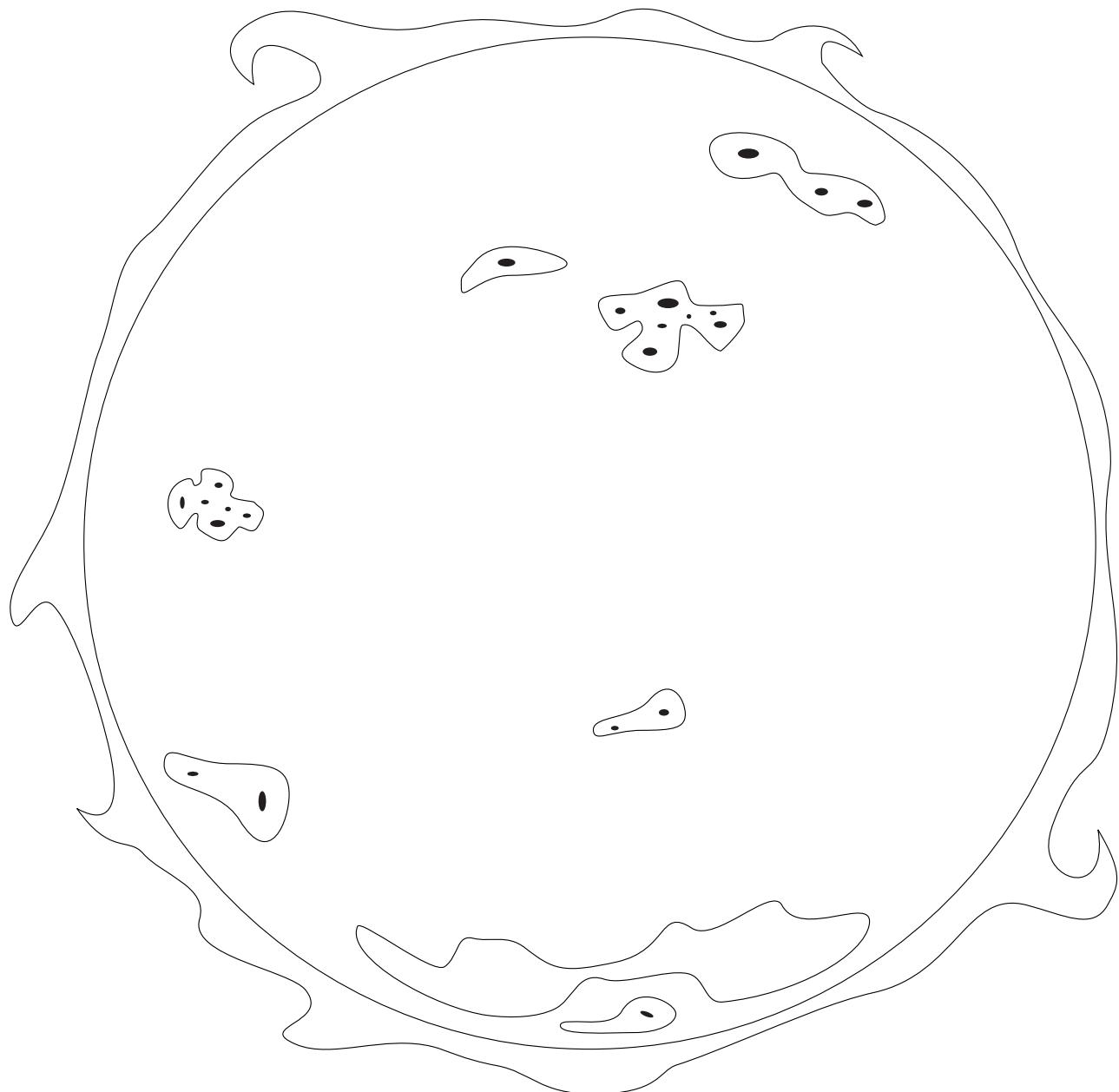


# THE COLOUR OF SPACE

## THE SUN

### Colouring Suggestion :

Main surface area - yellow. The outer edge - orange. The area around each sunspot - red and grey



### Research the following facts :

Surface temperature: .....

Temperature in the centre (core): .....

Types of gases in the Sun: .....

Time it takes to rotate: .....

Its source of heat: .....

What are Sunspots: .....

Number of moons: .....

Why are the Sun's rays dangerous: .....

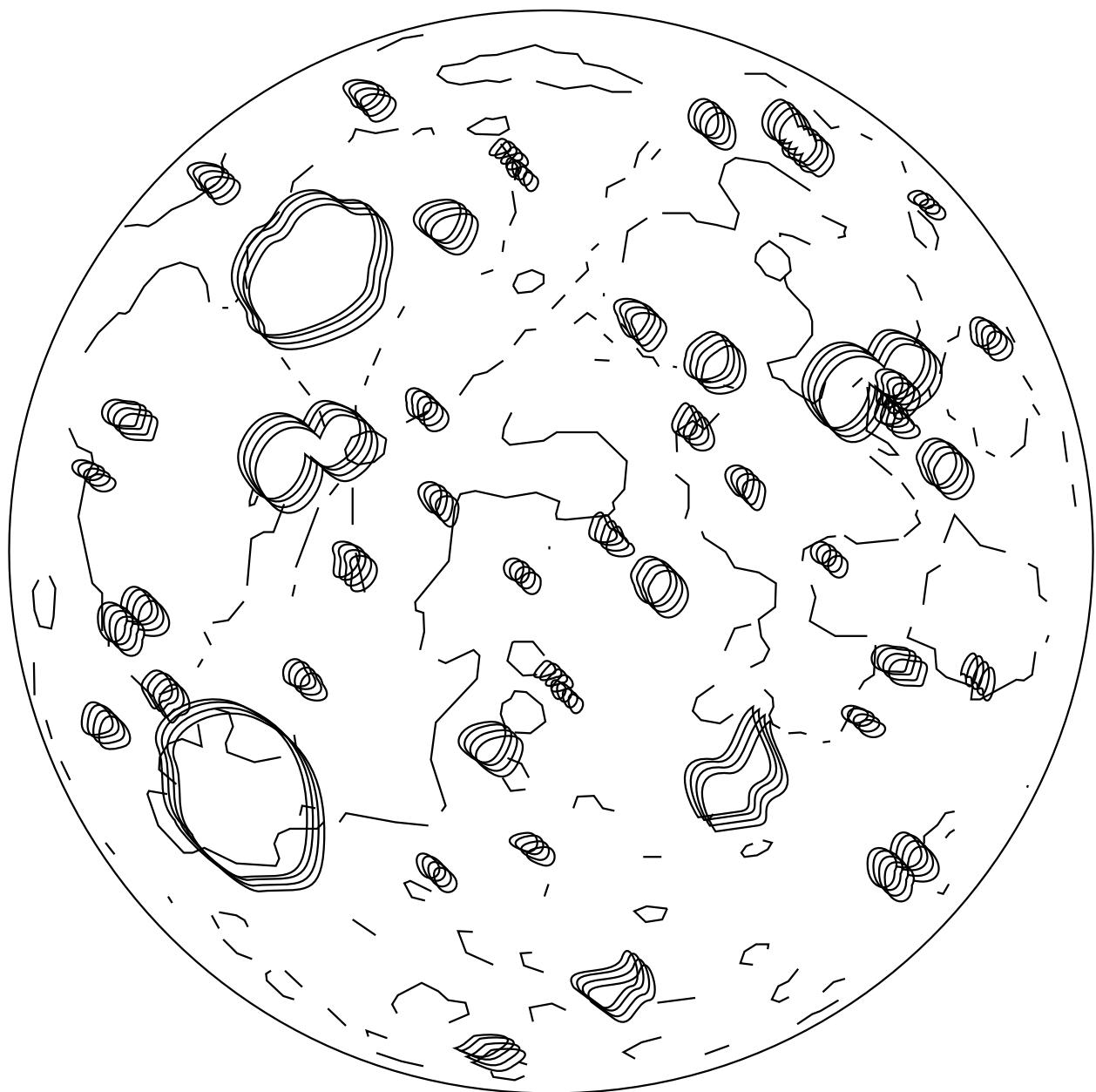


# THE COLOUR OF SPACE

## MERCURY

### Colouring Suggestion :

Main surface area - Light brown. Craters and cracks - Dark brown.



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....

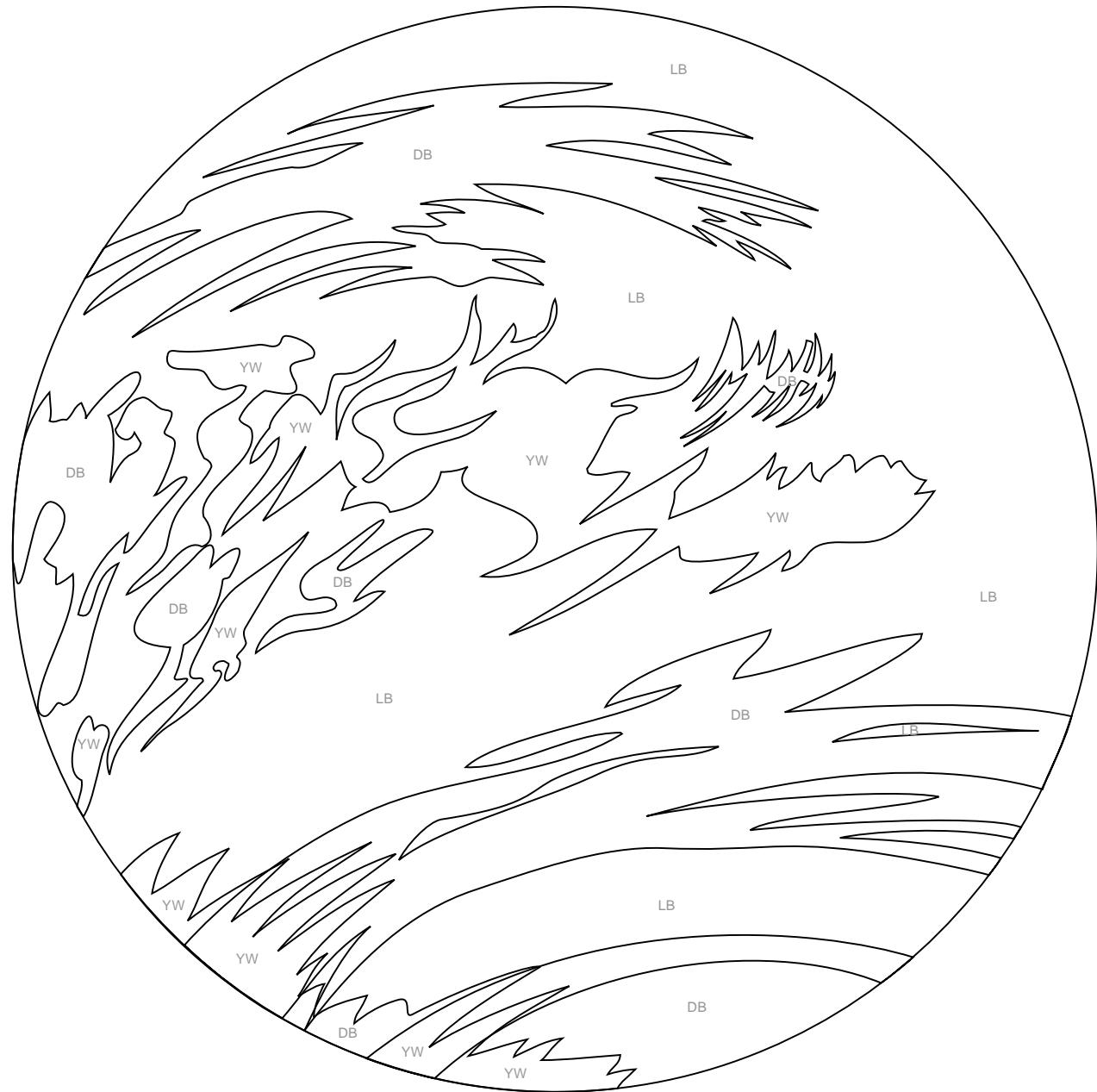


# THE COLOUR OF SPACE

## VENUS

### Colouring Suggestion :

Colour Key: LB = Light Brown; DB = Dark Brown; YW = Yellowish White



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



# THE COLOUR OF SPACE

## THE EARTH

### Colouring Suggestion :

Colour Key: B = Brown; BL = Blue; W = White; G = Green; Y = Yellow



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



# THE COLOUR OF SPACE

## MARS

### Colouring Suggestion :

Colour Key:v O = Orange; B = Brown; W = White; DB = Dark Brown; Y = Yellow; T = Tan



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



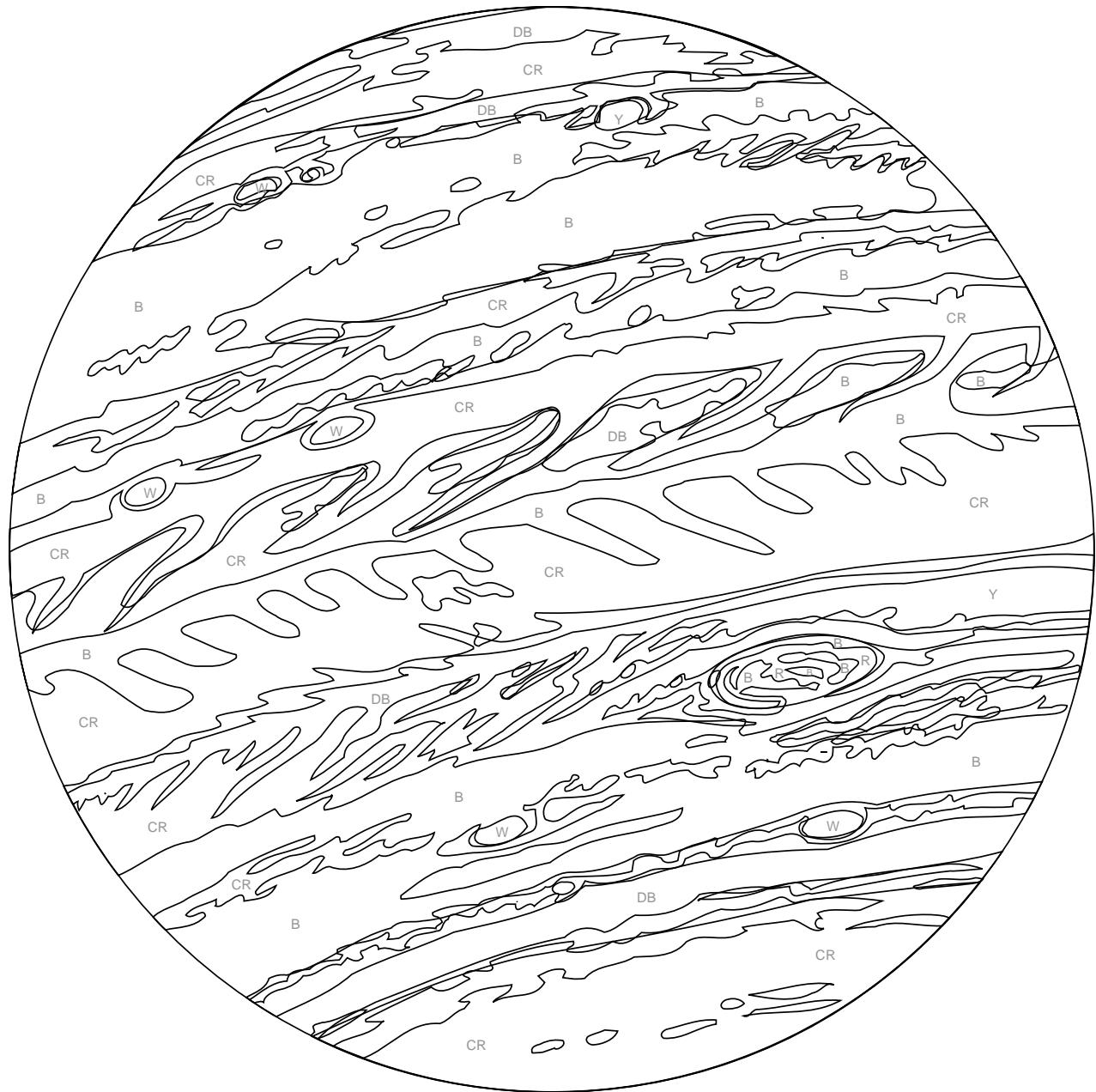
# THE COLOUR OF SPACE

## JUPITER

### Colouring Suggestion :

Colour Key: CR = Cream; O = Orange; B = Brown; W = White; R = Red

DB = Dark Brown; Y = Yellow; T = Tan



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



NAME: .....

CLASS: .....

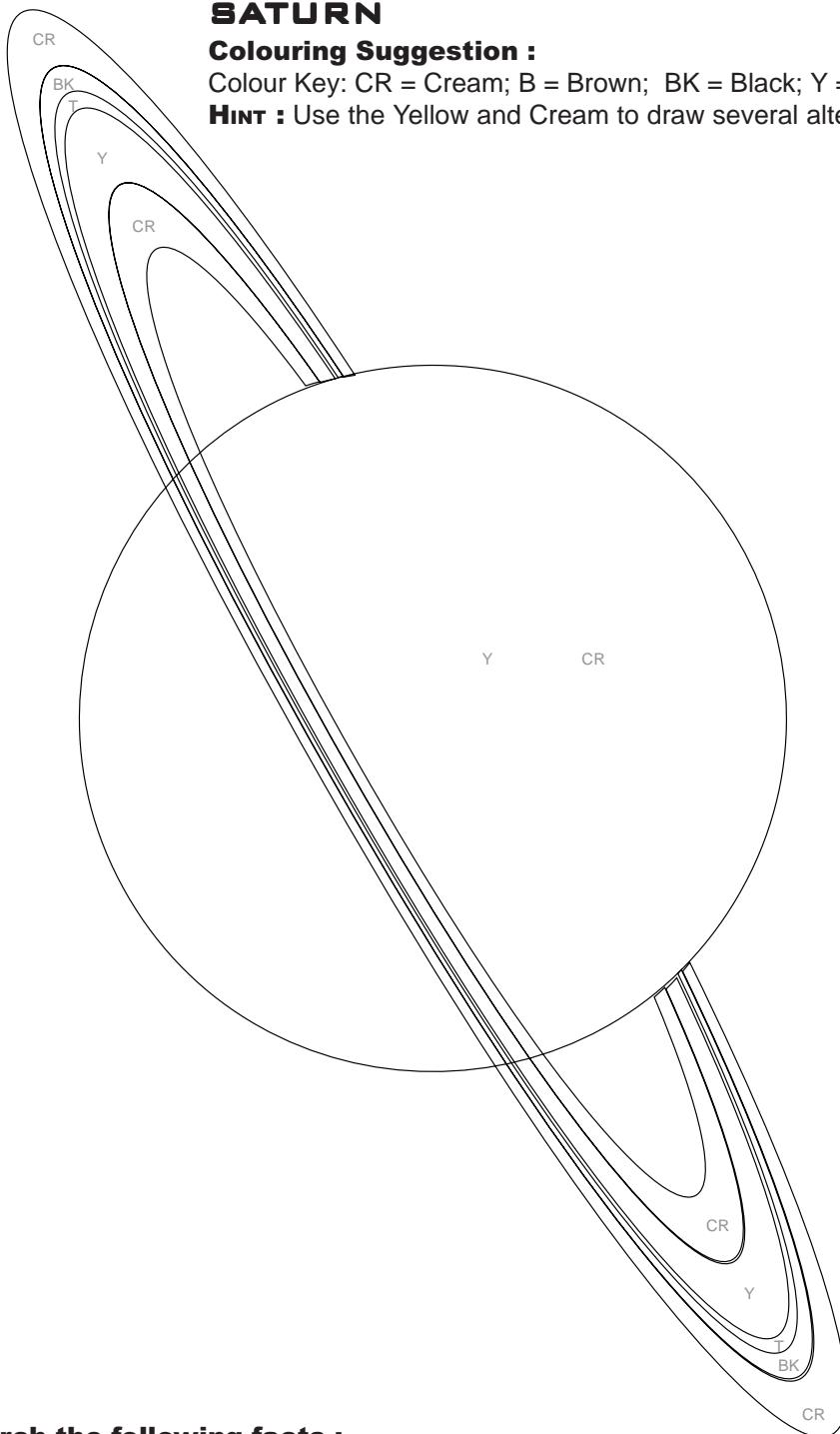
# THE COLOUR OF SPACE

## SATURN

### Colouring Suggestion :

Colour Key: CR = Cream; B = Brown; Y = Yellow

**HINT :** Use the Yellow and Cream to draw several alternating bands of colour



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....

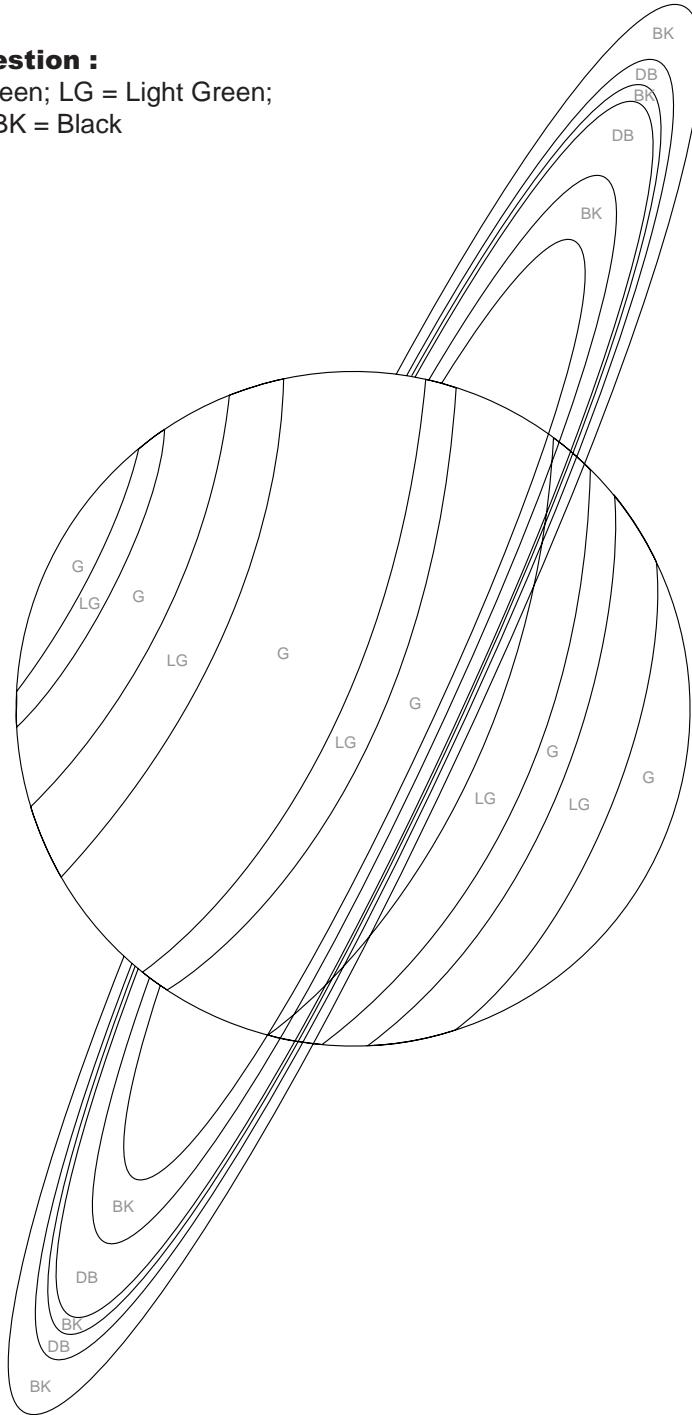


# THE COLOUR OF SPACE

## URANUS

### Colouring Suggestion :

Colour Key: G = Green; LG = Light Green;  
DB = Dark Brown; BK = Black



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....

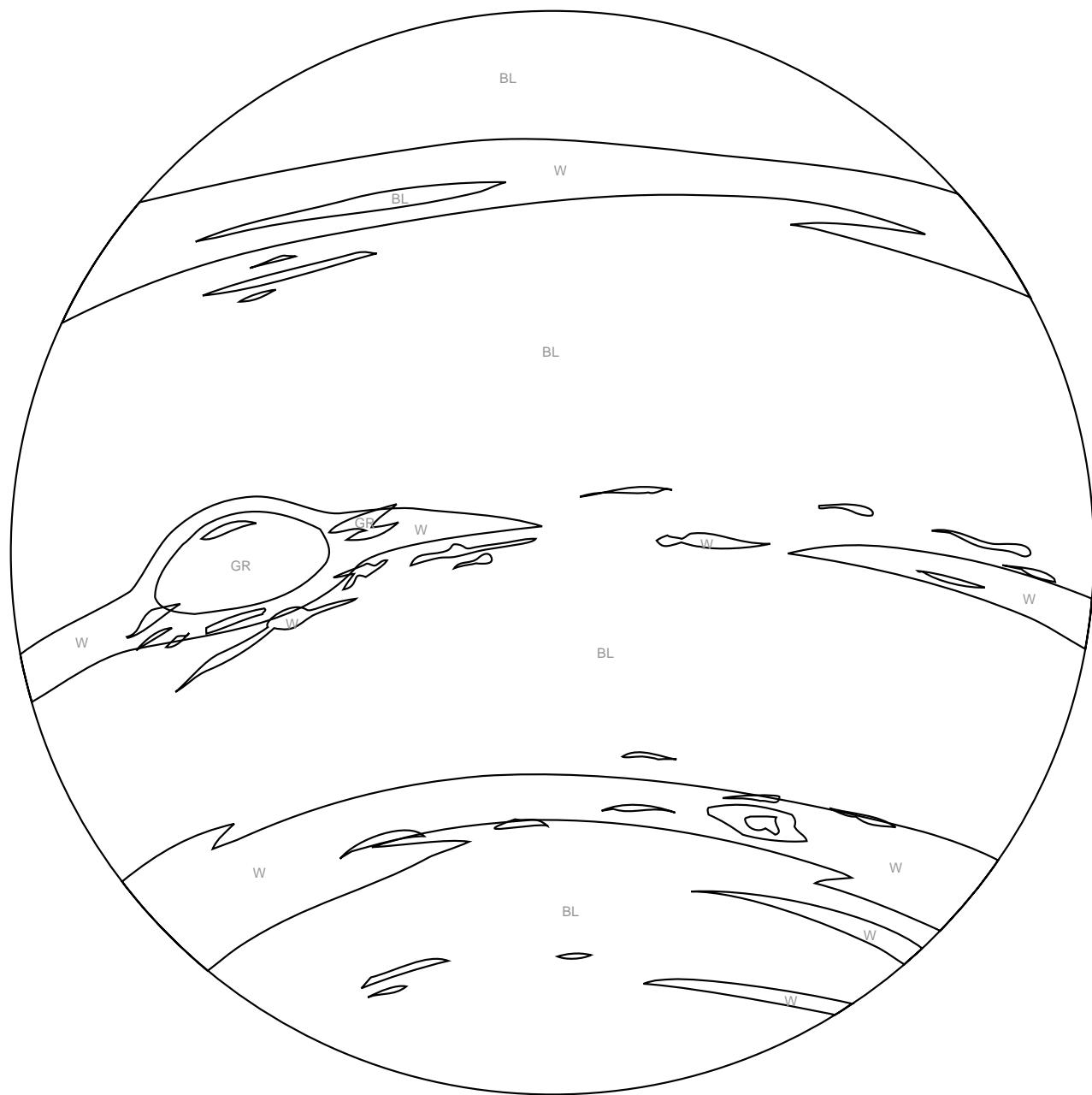


# THE COLOUR OF SPACE

## NEPTUNE

### Colouring Suggestion :

Colour Key: BL = Blue; W = White; GR = Grey



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



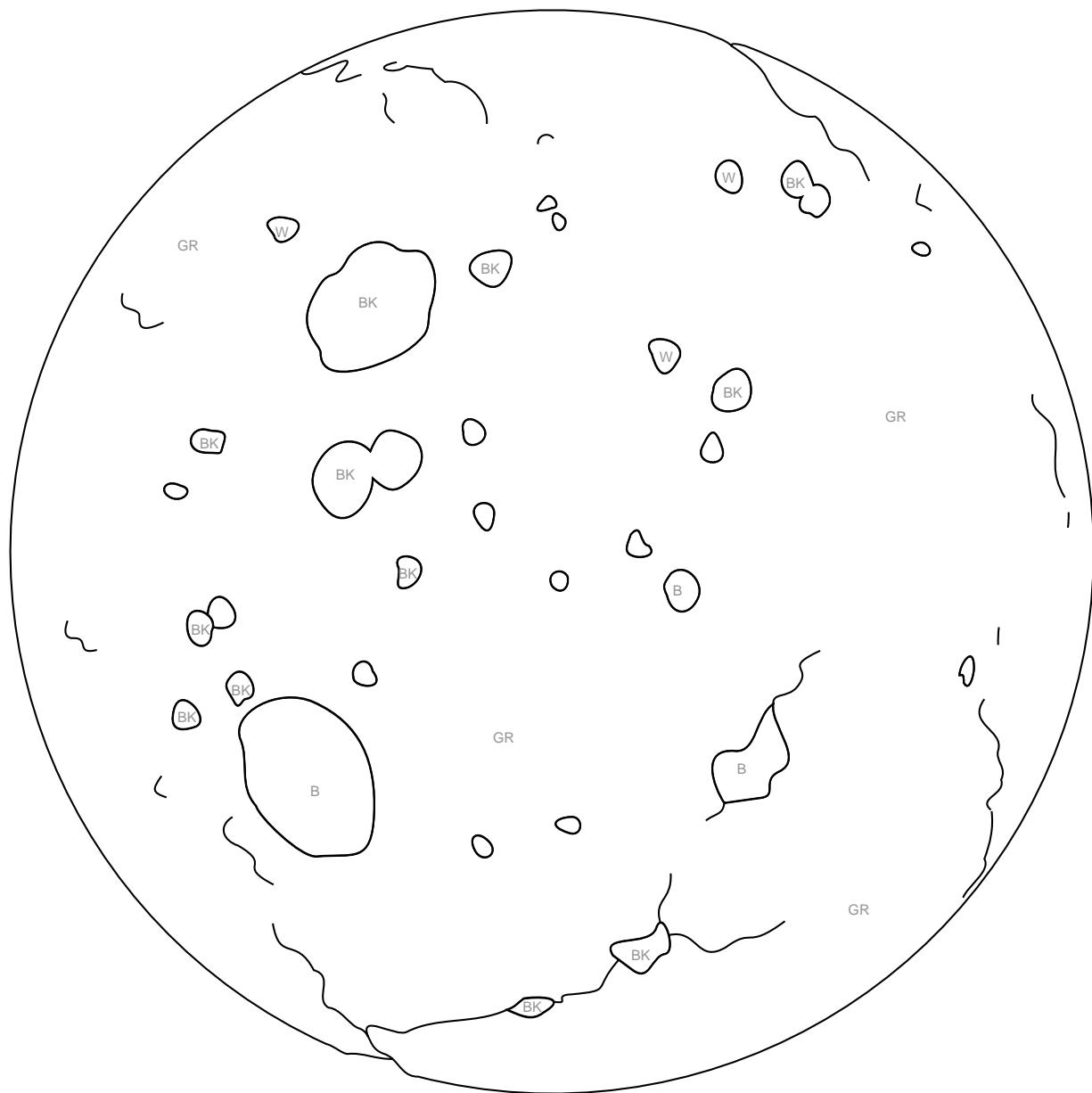
# THE COLOUR OF SPACE

## PLUTO

### Colouring Suggestion :

Colour Key: GR = Grey; BK = Black; W = White; B = Brown

**HINT :** No one has ever seen the surface of Pluto up close, so the colours are only a best guess.



### Research the following facts :

Mean distance from the Sun: .....

Time to orbit the Sun: .....

Length of its day: .....

Diameter: .....

Atmosphere: .....

Temperature range: .....

Number of moons: .....

Other facts: .....



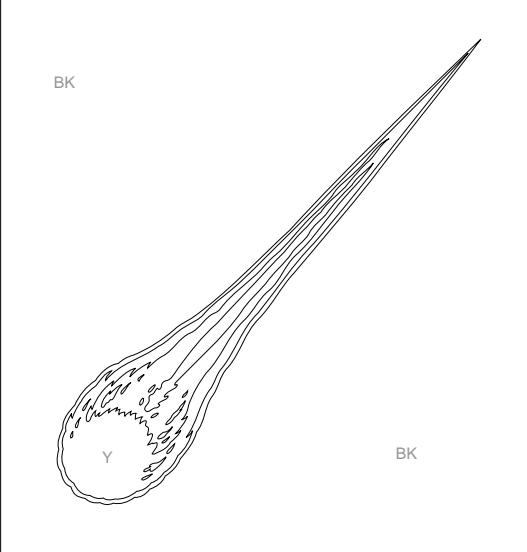
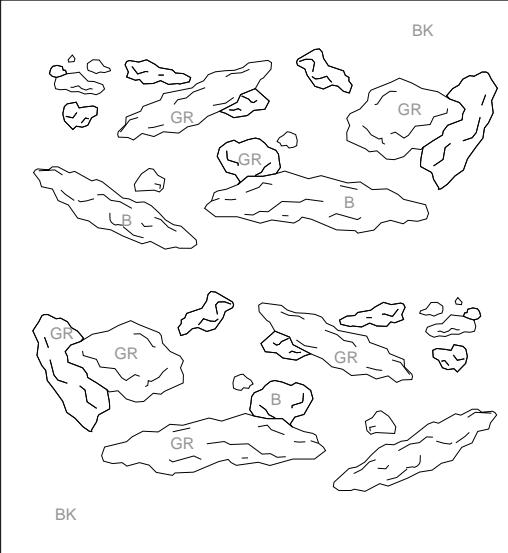
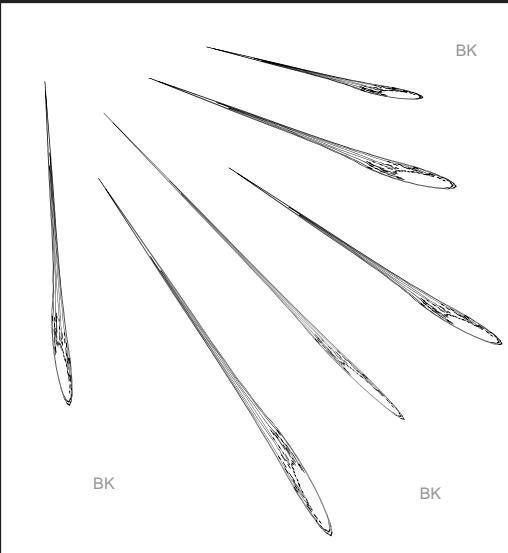
NAME: ..... CLASS: .....

# OUT THERE

## Colouring Suggestion :

Colour Key: GR = Grey; BK = Black; W = White; DB = Brown; Y = Yellow

Prepare some notes on Comets, Asteroids and Meteors

	<b>COMETS</b> <hr/> <hr/> <hr/> <hr/> <hr/>
	<b>ASTEROIDS</b> <hr/> <hr/> <hr/> <hr/> <hr/>
	<b>METEORS</b> <hr/> <hr/> <hr/> <hr/> <hr/>